



01584964

OXYGEN-DETECTING MATERIAL

PUB. NO.: 60-063464 [JP 60063464 A]

PUBLISHED: April 11, 1985 (19850411)

INVENTOR(s): MIURA TOSHINARI

USHIAMA SUSUMU

APPLICANT(s): DAINIPPON PRINTING CO LTD [000289] (A Japanese Company or

Corporation), JP (Japan)

APPL. NO.: 58-170852 [JP 83170852]

FILED: September 16, 1983 (19830916)

ABSTRACT

PURPOSE: To obtain an oxygen-detecting material which enables detection of oxygen for presence or absence in a packaging body from a change in the color thereof by printing, depositing or impregnating a composition containing 2 or 4-polyvinylpyridine metal complex on or in a base material.

CONSTITUTION: 2 or 4-Polyvinylpyridine copper complex, 2 or 4-polyvinylpyridine cobalt complex, etc. or those deposited on a carrier such as titanium oxide, calcium carbonate, clay, kaolin, aluminum hydroxide or silicon dioxide are used as 2 or 4-polyvinylpyridine metal complex. An ink composition containing the complex is printed, coated or impregnated on or in a base material consisting of paper, non-woven fabric, plastics or the like. The color of the 2 or 4-polyvinylpyridine metal complex changes according to the adsorption and desorption of oxygen with a change in the partial pressure of oxygen.

004305885

WPI Acc No: 85-132763/198522

Oxygen presence indicator - consists of cobalt complex of bis (salicylaldehyde) alkylenediimine and/or derivs.

Patent Assignee: TOYO INK MFG CO (TOXW )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 60071956	A	19850423	JP 83179321	A	19830929		198522 B
JP 93010624	B	19930210	JP 83179321	A	19830929	G01N-031/22	199309

Priority Applications (No Type Date): JP 83179321 A 19830929

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent